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Notice of Allowability

Application No.

09/574,720

Examiner

Alexander Eisen

Applicant(s)

O'HARA ET AL.

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 06 December 2004.
2. ☒ The allowed claim(s) is/are 1,5-8,10,12-20,22-26,28,30-32 and 44-85.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |



Alexander Eisen
Primary Examiner
Art Unit: 2674

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 5, 7, 8, 20, 22, 28, 32, 44, 46, 47, 49 and 57.

- 1 1. (Currently Amended) A method for software control, comprising:
2 displaying a graphic representing a set of one or more computer functions on a
3 portion of a touch-sensitive screen, wherein the touch-sensitive screen is
4 coupled to at least one processor to detect and interpret contact with the
5 screen;
6 detecting an object making a first sequence of one or more contacts caused by a
7 user drawing that form a first drawing with a user-controlled object on the
8 portion of the screen;
9 in response to detecting the object making the first sequence of one or more
10 contacts that form the first drawing;
11 matching the first sequence to a particular action in a set of actions, and
12 performing the particular action;
13 detecting an object making a second sequence of one or more contacts caused by
14 the user drawing to form a second drawing with the user-controlled object
15 on the portion of the screen;
16 in response to detecting the object making the second sequence of one or more
17 contacts to form the second drawing;
18 matching the second sequence to a second action in a set of actions related
19 to said one or more computer functions, and
20 performing the second action;
21 wherein the visual appearance of the graphic is the same when the user
22 commences drawing the first drawing and commences drawing sequence
23 of contacts is commenced and when the second drawing sequence of
24 contacts is commenced.

1 2 - 4. (Canceled)

1 ²
~~5.~~ (Currently Amended) The method of claim 1, wherein the first sequence of
 2 contacts ~~is and the second sequence of contacts are~~ applied within an area that is
 3 smaller than an area of the graphic.

1 ⁴
~~6.~~ (Previously Presented) The method of claim 1, wherein the first drawing is an
 2 alphabet character.

1 ⁶
~~7.~~ (Currently Amended) The method of claim 1, wherein the ~~sequence includes a~~
 2 ~~gesture that~~ first drawing is in a circular form.

1 8. (Currently Amended) The method of claim 1, wherein the ~~sequence includes a~~
 2 ~~gesture that~~ first drawing is in a polygonal form.

1 9. (Canceled)

1 10. (Previously Presented) The method of claim 1, wherein:
 2 performing the particular action includes presenting a set of graphics to the user
 3 on the screen; and
 4 the graphics provide a plurality of user-selectable software options.

1 11. (Canceled)

1 12. (Previously Presented) The method of claim 1, wherein the particular action
 2 corresponds to transmitting data by generating a signal emanating from ~~the~~ a
 3 radiation emitter.

- 1 ¹⁴~~13.~~ (Original) The method of claim 12, wherein the radiation emitter is an optical
2 radiation emitter.
- 1 ¹⁶~~14.~~ (Original) The method of claim 12, wherein the radiation emitter is a radio
2 frequency radiation emitter.
- 1 ²²~~15.~~ (Original) The method of claim 12, wherein the radiation emitter is an microwave
2 radiation emitter.
- 1 ¹⁸~~16.~~ (Original) The method of claim ¹⁶~~14~~, wherein the radiation emitter is coupled to a
2 computer network.
- 1 ²⁰~~17.~~ (Original) The method of claim ¹⁶~~14~~, wherein the radiation emitter is coupled to a
2 telephone network.
- 1 ²⁴~~18.~~ (Original) The method of claim ²²~~15~~, wherein the radiation emitter is coupled to a
2 computer network.
- 1 ²⁶~~19.~~ (Original) The method of claim ²²~~15~~, wherein the radiation emitter is coupled to a
2 telephone network.
- 1 ²⁸~~20.~~ (Currently Amended) The method of claim 1, wherein performing the particular
2 action includes performing an operating system function ~~in response to~~
3 ~~interpreting the sequence.~~
- 1 21. (Canceled)

30 17
 1 22. (Currently Amended) The method of claim 20, wherein performing an operating
 2 system function includes deleting one or more software applications from a
 3 memory of ~~the handheld~~ computer.

32 30
 1 23. (Previously Presented) The method of claim 22, wherein deleting one or more
 2 software applications from a memory includes deleting the software applications
 3 from a non-volatile storage memory.

34 30
 1 24. (Previously Presented) The method of claim 22, wherein deleting one or more
 2 software applications from a memory includes deleting the software applications
 3 from a random access memory.

36 30
 1 25. (Previously Presented) The method of claim 22, wherein deleting one or more
 2 software applications from a memory includes deleting the software applications
 3 from a memory that is readable by a magnetic memory reader.

38 30
 1 26. (Previously Presented) The method of claim 22, wherein deleting one or more
 2 software applications from a memory includes deleting the software applications
 3 from a memory that is readable by an optical memory reader.

1 27. (Canceled)

45
 1 28. (Currently Amended) A handheld computer comprising:
 2 a displaying a graphic representing a set of one or more computer functions on a
 3 portion of a touch-sensitive screen, wherein the touch-sensitive screen is
 4 coupled to at least one processor to detect and interpret contact with the
 5 screen;
 6 said processor configured for:

7 ~~displaying a graphic representing a set of one or more computer functions on a~~
 8 ~~portion of a touch sensitive screen;~~
 9 detecting an object making a first sequence of one or more contacts ~~caused by a~~
 10 ~~user drawing that form~~ a first drawing ~~with a user controlled object on the~~
 11 ~~portion of the screen;~~
 12 in response to detecting the object making the first sequence of one or more
 13 contacts that form the first drawing:
 14 matching the first sequence to a particular action in a set of actions, and
 15 performing the particular action;
 16 detecting an object making a second sequence of one or more contacts ~~caused by~~
 17 ~~the user drawing to form~~ a second drawing ~~with the user controlled object~~
 18 ~~on the portion of the screen;~~
 19 in response to detecting the object making the second sequence of one or more
 20 contacts to form the second drawing:
 21 matching the second sequence to a second action in a set of actions related
 22 to said one or more computer functions, and
 23 performing the second action;
 24 wherein the visual appearance of the graphic is the same when the user
 25 ~~commences drawing the first drawing and commences drawing sequence~~
 26 of contacts is commenced and when the second drawing sequence of
 27 contacts is commenced.

1 29. (Canceled)

40
 1 30. (Previously Presented) The method of claim 1, wherein displaying a graphic
 2 includes displaying a computer-generated icon on the screen.

42
1 31. (Previously Presented) The method of claim 1, wherein displaying a graphic
2 includes permanently displaying the graphic on the screen.

44
1 32. (Currently Amended) The method of claim 1, wherein performing the particular
2 action includes interpreting the first sequence as a selection to launch one of a
3 plurality of applications on the handheld computer.

1 33. – 43. (Canceled).

46
1 44. (Currently Amended) The handheld computer of claim 28, wherein the first
2 sequence of contacts is applied within an area that is smaller than an area of the
3 graphic.

48
1 45. (Previously Presented) The handheld computer of claim 28, wherein the first
2 drawing is an alphabet character.

49
1 46. (Currently Amended) The handheld computer of claim 28, wherein the sequence
2 ~~includes a gesture that~~ first drawing is in a circular form.

50
1 47. (Currently Amended) The handheld computer of claim 28, wherein the sequence
2 ~~includes a gesture that~~ first drawing is in a polygonal form.

51
1 48. (Previously Presented) The handheld computer of claim 28, wherein:
2 performing the particular action includes presenting a set of graphics to the user
3 on the screen; and
4 the graphics provide a plurality of user-selectable software options.

52
 1 ~~49.~~ (Currently Amended) The handheld computer of claim ~~28~~⁴⁶, wherein the particular
 2 action corresponds to transmitting data by generating a signal emanating from
 3 the radiation emitter.

53
 1 ~~50.~~ (Previously Presented) The handheld computer of claim ~~49~~⁵², wherein the radiation
 2 emitter is an optical radiation emitter.

54
 1 ~~51.~~ (Previously Presented) The handheld computer of claim ~~49~~⁵², wherein the radiation
 2 emitter is a radio frequency radiation emitter.

55
 1 ~~52.~~ (Previously Presented) The handheld computer of claim ~~49~~⁵², wherein the radiation
 2 emitter is an microwave radiation emitter.

58
 1 ~~53.~~ (Previously Presented) The handheld computer of claim ~~49~~⁴⁶, wherein the radiation
 2 emitter is coupled to a computer network.

56
 1 ~~54.~~ (Previously Presented) The handheld computer of claim ~~52~~⁵⁵, wherein the radiation
 2 emitter is coupled to a telephone network.

57
 1 ~~55.~~ (Previously Presented) The handheld computer of claim ~~52~~⁵⁵, wherein the radiation
 2 emitter is coupled to a computer network.

59
 1 ~~56.~~ (Previously Presented) The handheld computer of claim ~~49~~⁵², wherein the radiation
 2 emitter is coupled to a telephone network.

60
 1 ~~57.~~ (Currently Amended) The handheld computer of claim ~~28~~⁴⁶, wherein performing
 2 the particular action includes performing an operating system function in response
 3 to interpreting the sequence.

1 ~~61~~ 58. (Previously Presented) The handheld computer of claim ~~57~~⁶⁰, wherein performing
 2 an operating system function includes deleting one or more software applications
 3 from a memory of the handheld computer.

1 ~~62~~ 59. (Previously Presented) The handheld computer of claim ~~58~~⁶¹, wherein deleting one
 2 or more software applications from a memory includes deleting the software
 3 applications from a non-volatile storage memory.

1 ~~63~~ 60. (Previously Presented) The handheld computer of claim ~~58~~⁶¹, wherein deleting one
 2 or more software applications from a memory includes deleting the software
 3 applications from a random access memory.

1 ~~64~~ 61. (Previously Presented) The handheld computer of claim ~~58~~⁶¹, wherein deleting one
 2 or more software applications from a memory includes deleting the software
 3 applications from a memory that is readable by a magnetic memory reader.

1 ~~65~~ 62. (Previously Presented) The handheld computer of claim ~~58~~⁶¹, wherein deleting one
 2 or more software applications from a memory includes deleting the software
 3 applications from a memory that is readable by an optical memory reader.

1 ~~44~~ 63. (Previously Presented) A computer-readable medium carrying one or more
 2 sequences of instructions which, when executed by one or more processors,
 3 causes the one or more processors to perform the method recited in Claim 1.

1 ~~3~~ 64. (Previously Presented) A computer-readable medium carrying one or more
 2 sequences of instructions which, when executed by one or more processors,
 3 causes the one or more processors to perform the method recited in Claim ~~5~~².

5
1 ~~65.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~6.~~ 4

7
1 ~~66.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~7.~~ 6

9
1 ~~67.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim 8.

11
1 ~~68.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim 10.

13
1 ~~69.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~12.~~ 12

15
1 ~~70.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~13.~~ 14

17
1 ~~71.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~14.~~ 16

- 23
1 ~~72.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~15~~. 22
- 19
1 ~~73.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~16~~. 19
- 21
1 ~~74.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~17~~. 20
- 25
1 ~~75.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~18~~. 24
- 27
1 ~~76.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~19~~. 26
- 29
1 ~~77.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~20~~. 28
- 31
1 ~~78.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~21~~. 30

- 33
1 ~~79.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~23.~~ 32
- 35
1 ~~80.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~24.~~ 34
- 37
1 ~~81.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~25.~~ 36
- 39
1 ~~82.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~26.~~ 38
- 41
1 ~~83.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~30.~~ 40
- 43
1 ~~84.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~31.~~ 42
- 45
1 ~~85.~~ (Previously Presented) A computer-readable medium carrying one or more
2 sequences of instructions which, when executed by one or more processors,
3 causes the one or more processors to perform the method recited in Claim ~~32.~~ 44